Pages / … / Infrastructure

Airview for Developer

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Intro

Product intro: https://confluence.nike.com/display ███████ Airview

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Bassoon README: https://github.com ████████████

Developer intro video (Chinese): https://nike.box.com ████████████████████

Dashboard-to-pipeline mapping

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Implementation Procedures

Path 1: if not timely constrained

1. Summarize what the task is doing with a few words
    a. If in doubt, have a live session with stakeholders to address vague requirements
2. Align with leads to finalize the SF table name
3. Use bassoon to develop the pipeline to generate the SF table
4. Build up the Tableau dashboard
5. Iterate between steps 3 and 4

Path 2: if timely constrained

1. Summarize what the task is doing with a few words
    a. If in doubt, have a live session with stakeholders to address vague requirements
2. Prioritize items
3. Align with leads to finalize the SF table name
4. Generate dummy data to the SF table
5. Build up the dashboard
6. Align with stakeholder for the look
7. Use bassoon to develop the pipeline to generate the SF table
8. Build up the Tableau dashboard
9. Iterate between steps 7 and 8

Principles

1. **Uniform naming convention**
   a. Tableau fields & SF columns
        i. Tableau field names must be consistent with SF column names.

AIRVIEW_BIZRULE_DAILY ▾			
			‹

Name

AIRVIEW_BIZRULE_DAILY

Fields

Type	Field Name	Physical Table	Remote Field Name
Abc	Change Type	Custom SQL Query	CHANGE_TYPE
⊕	████████████████████████		
Abc			
📅	Process Dt	Custom SQL Query	PROCESS_DT
#	Rule1	Custom SQL Query	RULE1
#	Rule2	Custom SQL Query	RULE2
#	Rule3	Custom SQL Query	RULE3
#	Rule4	Custom SQL Query	RULE4
#	██████	Custom SQL Query	██████

1. Bad example

      2. Good example
      3. How to do that: https://kb.tableau.com/articles/HowTo/how-to-revert-field-names-and-capitalization-changes
    ii. SF column names should use snake_case as the first option.
    iii. If Stakeholder asks to use "Human Readable" names on dashboard:
      1. Option 1 (preferred): push back
      2. Option 2: change SF column name
  b. Tableau calculated fields & parameters
    i. Calculated fields should start with "calc_" unless otherwise required.
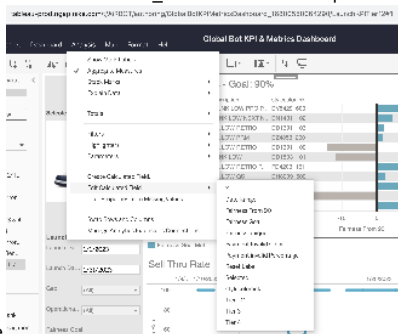
    1. Bad example
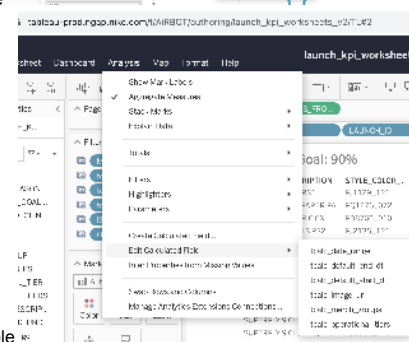
    2. Good example
    ii. Tableau parameters should start with "param_" unless otherwise required.
  c. Tableau dashboards, views, and worksheets
    i. Tableau dashboard names
      1. Surface-level dashboard: put it under the "Airview" project and name it whatever stakeholders like
      2. Concrete-level dashboard: put it under the "developer only: concrete worksheets" project and use snake_case
    ii. Tableau views & worksheets
      1. Surface-level dashboard:
        a. Entry view (first view): should be a story and named "story"
        b. Story point views: should be dashboards named "db1", "db2", etc. Each should use a Webpage url that links to a worksheet of a concrete-level dashboard.
      2. Concrete-level dashboard:
        a. First view: should be a dashboard named "db"
        b. Other views: should be worksheets named by their positions in the dashboard, like "BL" (bottom left), "T3" (the 3rd item at the top row), etc.
   iii. Bad examples

    iv. Good example

2. **Avoid Tableau Desktop as much as you can**
  a. Ask me (YY) if you don't know how to achieve some functionality using Tableau Server online
3. **Avoid changing the SF table name that Tableau reads from**
  a. Follow the "Implementation Procedures" section
4. **Deliberate the use of Tableau calculated fields**
  a. Minimize the amount (use bassoon as primary tool to generate the fields)
    i. Bad & good example: see "Tableau calculated fields & parameters" section
  b. Minimize the calculation (use bassoon to do any data processing)

i. Bad example
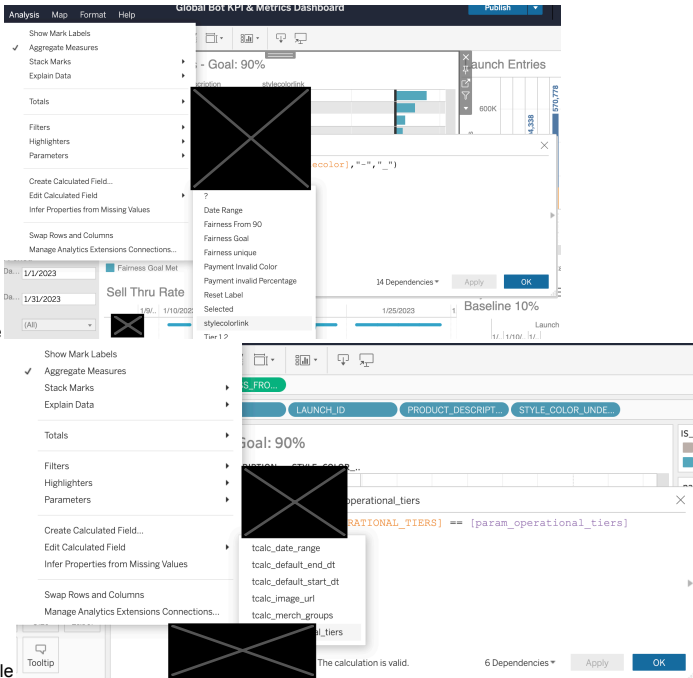
ii. Good example

5. **Do not use multiple tables in one worksheet**
   a. If this thought ever comes up in your mind, you might need to do one or more of the following
      i. Split the worksheet into two or more
      ii. Combine your tables into one (with redundancy/denormalization)
      iii. Reorganize the dashboard so that every story point uses only one underlying SF table
      iv. Align with stakeholder for the reorganization

No labels